

IN THE CLAIMS:

1. (Currently amended) A method for producing a respiratory filter in which said
2 method comprising the steps of:

intermixing a granular adsorbent, absorbent, chemisorptive, or catalytic material,
4 particularly activated carbon, ~~is intermixed with (a) a~~ a meltable polymer(s) to produce a
mixture; and ~~and the resulting mixture is heated under pressure and pressed into a~~
6 ~~molded piece, characterized in that~~

~~—— said mixture is heated under pressure in a~~ molding the mixture in the connecting
8 ~~part for a respirator or fan filter unit or in a connecting part of an adapter for a respirator~~
~~or fan filter unit and is thereby positively or non-positively pressed into it, and that the~~
10 ~~connection between said connecting part and the compacted mixture is gastight so as~~
to make a molded piece and a gastight connection between the molded piece and the
12 connecting part so that the molded piece and connecting part can be operatively
connected as a unit to a respirator or fan filter unit.

2. (Currently amended) An apparatus for carrying out the method according to
2 claim 1 in which a mixture of granular adsorbent, absorbent, chemisorptive, or catalytic
material, particularly activated carbon, is heated under pressure in a mold with (a) a
4 meltable polymer(s) and pressed into a molded piece, ~~characterized in that said~~
wherein the mold is a connecting part for a respirator or fan filter unit ~~or a connecting~~
6 ~~part (1) of an adapter for connecting a respirator or fan filter unit and that there is a~~

positive and/or non-positive gastight connection between said connecting part (1) and
8 the compacted molded piece (2).

3. (Currently amended) The apparatus according to claim 2, ~~characterized in~~
2 that wherein the connecting part (1) comprises ~~on its~~ an inner surface with a complete
or partial groove or tongue (5) which the compacted molded piece (2) engages in or
4 partially encloses, respectively.

4. (Currently amended) The apparatus according to claim 2, ~~characterized in~~
2 that wherein the connecting part (1) comprises a periphery with fasteners (3) on ~~it's~~ the
periphery for a detachable gastight connection to a respirator or fan filter unit, or for a
4 gastight connection to an adapter (4) for connecting to a respirator ~~of~~ or fan filter unit.

5. (Currently amended) The apparatus according to claim 4, ~~characterized in~~
2 that wherein the connection to ~~an~~ the adapter (4) is detachable.

6. (Currently amended) The apparatus according to claim 4, ~~characterized in~~
2 that wherein the fasteners (3) are designed for a snap-in or threaded connection.

7. (Currently amended) The apparatus according to claim 2, ~~characterized in~~
2 that wherein the connecting part (1) is made of a polymer with a higher melting point
than the polymer(s) of the molded piece (2), or of cardboard or metal.

8. (New) The method for producing a respiratory filter according to claim 1
2 further comprising the step of operatively connecting the respiratory filter to a respirator
or fan filter unit.

9. (New) The method for producing a respiratory filter according to claim 8
2 further comprising the step of providing an adapter and the step of operatively
connecting the respiratory filter comprises operatively connecting the respiratory filter to
4 the respirator or fan filter unit through the adapter.

10. (New) The method for producing a respiratory filter according to claim 9
2 wherein the step of operatively connecting the respiratory filter comprises the step of
snap-fitting the respiratory filter to the adapter.

11. (New) The method for producing a respiratory filter according to claim 1
2 wherein the step of molding the mixture comprises molding the mixture to make a
positive gastight connection between the molded piece and the connecting part.

12. (New) The method for producing a respiratory filter according to claim 1
2 wherein the step of providing a connecting part comprises the step of providing a ring-
shaped connecting part.

13. (New) The apparatus according to claim 2 in combination with a respirator or
2 fan filter unit wherein the respiratory filter is operatively connected directly to the
respirator or fan filter unit.

14. (New) The apparatus according to claim 2 in combination with a respirator or
fan filter unit wherein the respiratory filter is operatively connected to the respirator or
fan filter unit through an adapter.